

Amendment to the Specification:

Please delete the paragraph beginning at page 1 line 2, which starts with “**TECHNICAL FIELD**” and ends at page 1 line 4 with “... in operating memory.”

Please add the following new paragraph after the title:

CROSS-REFERENCE TO RELATED APPLICATIONS

This is a National Stage Application of International Patent Application No. PCT/PL 03/00057, with an international filing date of June 17, 2003, which is based on Polish Patent Application No. P-354638, filed June 20, 2002.

Please replace the heading at page 1 line 5: “**BACKGROUND ART**” with the following new heading and paragraphs:

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates to a method for allocation of data for images in operating memory.

2. Brief Description of the Background of the Invention Including Prior Art

Please replace the heading at page 1 line 20: “**DISCLOSURE OF INVENTION**” with the following new paragraph:

SUMMARY OF THE INVENTION

1. Purposes of the Invention

It is an object of this invention to provide a method for allocation of data for images in operating memory that allows storing an image more efficiently.

This and other objects and advantages of the present invention will become evident from the description which follows.

2. Brief Description of the Invention

Please add the following new paragraph at page 2 after line 28 (immediately preceding the section **BRIEF DESCRIPTION OF DRAWINGS**):

The novel features which are considered as characteristic for the invention are set forth in the appended claims. The invention itself, however, both as to its construction and its

method of operation, together with additional objects and advantages thereof, will be best understood from the following description of specific embodiments when read in connection with the accompanying drawings.

Please replace the heading at page 3 line 10: **“BEST MODE FOR CARRYING OUT THE INVENTION”** with the following new heading: **DESCRIPTION OF THE INVENTION AND PREFERRED EMBODIMENT**

Please amend the second paragraph at page 6, line 23, as follows:

Figs. 5A and 5B present a flow diagram of another algorithm for storing data. The flow diagram is divided in point labeled “C”. Similarly to the algorithm shown in fig. 4A, in the first step 41 the parameters of the image are read, for which the table of pointers is to be created. The largest available segment of memory is found and reserved in step 42. Next, in step 43, the number of lines that could fit in that free segment is calculated. In step 44 it is checked if the number of lines that could fit in the free memory segment is ~~greater~~ greater than zero. If the free segment is too small even for a single line, a message is output in step 45 that the allocation of the image was unsuccessful. Otherwise, in step 46 it is checked if the number of lines for allocation is greater than the number of lines that could fit in the free memory segment. If all the lines left for allocation can fit in the free memory segment, they are allocated in step 48. Otherwise, in step 47, only the amount of lines that can fit in the free memory segment is allocated. The allocation of the remaining part of the image is continued, starting from step 42.

Please add the following new paragraphs at page 8 after line 12:

It will be understood that each of the elements described above, or two or more together, may also find a useful application in other types of methods for allocation of data differing from the types described above.

While the invention has been illustrated and described as embodied in the context of a method for allocation of data for images in operating memory, it is not intended to be limited to the details shown, since various modifications may be made without departing in any way from the spirit of the present invention.

Without further analysis, the foregoing will so fully reveal the gist of the present invention that others can, by applying current knowledge, readily adapt it for various applications without omitting features that, from the standpoint of prior art, fairly constitute essential characteristics of the generic or specific aspects of this invention.